

Appendix A

References

A-1. Required Publications¹

PL 99-662

Water Resources Development Act of 1986

ER 5-7-1(FR)

Project Management

ER 415-2-100

Construction Management Policies, Procedures, and Staffing for Civil Works Projects

ER 690-1-304

Employment of Experts and Consultants for Personal Services

ER 1105-2-100

Guidance for Conducting Civil Works Planning Studies

ER 1110-1-1801

Construction Foundation Report

ER 1110-2-100

Periodic Inspection and Continuing Evaluation of Completed Civil Works Structures

ER 1110-2-101

Reporting of Evidence of Distress of Civil Works Structures

ER 1110-2-110

Instrumentation for Safety Evaluations of Civil Works Projects

ER 1110-2-112

Required Visits to Construction Sites by Design Personnel

ER 1110-2-1150

Engineering and Design for Civil Works Projects

ER 1110-2-1155

Dam Safety Assurance Program

ER 1110-2-1156

Dam Safety - Organization, Responsibilities, and Activities

ER 1110-2-1200

Plans and Specifications for Civil Works Projects

ER 1110-2-1802

Reporting Earthquake Effects

ER 1110-2-1806

Earthquake Design and Evaluation for Civil Works Projects

ER 1110-2-1901

Embankment Criteria and Performance Report

ER 1110-2-1925

Field Control Data for Earth and Rockfill Dams

ER 1110-8-2(FR)

Inflow Design Floods for Dams and Reservoirs

ER 1130-2-304

Manuals

ER 1130-2-417

Major Rehabilitation Program and Dam Safety Assurance Program

ER 1130-2-419

Dam Operations Management Policy

ER 1165-2-119

Modifications to Completed Projects

ER 1165-2-131

Local Cooperation Agreements for New Start Construction Projects

ER 1180-1-6

Construction Quality Management

EP 715-1-2

A Guide to Effective Contractor Quality Control (CQC)

¹ References published by the Department of the Army and are available through USACE Command Information Management Office Sources.

EP 1110-2-13
28 Jun 96

EM 1110-2-1908

Instrumentation of Earth and Rock-fill Dams - Parts 1 and 2

EM 1110-2-1911

Construction Control for Earth and Rock-fill Dams

EM 1110-2-2006

Roller-Compacted Concrete

EM 1110-2-2200

Gravity Dam Design

EM 1110-2-2300

Earth and Rock-Fill Dams - General Design and Construction Considerations

EM 1110-2-3600

Management of Water Control Systems

EM 1110-2-4300

Instrumentation for Concrete Structures

A-2. Related Publications²

Association of State Dam Safety Officials 1989

Association of State Dam Safety Officials. 1989 (Mar). "Bibliography on Dam Safety Practice," Lexington, KY.

Basinger 1990

Basinger, D. L. 1990 (Feb). "Have You Reviewed Your Emergency Action Plan Lately?," *Hydro Review*, Vol 9, No. 1, pp 22-28.

Bartholomew, Murray, and Goins 1987

Bartholomew, C. L., Murray, B. C., and Goins, D. L. 1987 (Jan). *Embankment Dam Instrumentation Manual*, U.S. Department of the Interior, Bureau of Reclamation, Denver, CO.

Cochrane, Ferrell-Dillard, and Baumann 1987

Cochrane, H. C., Ferrell-Dillard, R., and Baumann, D. D. 1987 (Jun). "Socioeconomic Considerations in Dam Safety Risk Analysis," IWR Report 87-R-7, Institute for Water Resources, Fort Belvoir, VA.

Carpenter et al. 1988

Carpenter, L. R., Lytle, J. D., Misterek, D. L., Murrdy, B. C., and Raphael, J. M. 1988. "Instrumentation," Jansen, R. B., ed., *Advanced Dam Engineering for Design, Construction, and Rehabilitation*, Van Nostrand Reinhold, New York, pp 751-776.

Colorado Division of Disaster Emergency Services 1987

Colorado Division of Disaster Emergency Services. 1987 (Aug). "Dam Safety: An Owner's Guidance Manual," FEMA 145, Federal Emergency Management Agency, Washington, DC

Currier and Fenn 1986

Currier, B. and Fenn, M. H. 1986 (Dec). "Available Data Collection and Reduction Software," *Instrumentation Automation for Concrete Structures*, Technical Report REMR-CS-5, Report 3, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Duscha 1982

Duscha, L. A. 1982 (Apr). "U.S. Army Corps of Engineers Programs for Safety of Dams in the United States," United States Committee on Large Dams, *Dam Safety Practices and Concerns in the United States*, Denver, CO, pp 25-54.

Duscha 1984

Duscha, L. A. 1984. "Dam Safety in the United States: What has been Gained?," Serafim, J. L., ed., *Safety of Dams*, A. A. Balkema, Boston, MA, pp 259-263.

Duscha 1986

Duscha, L. A. 1986 (Oct). "Dam Safety - Past, Recent, and Future," *Current Developments in Dam Safety Management*, FEMA 115, Proceedings of Workshop held at Stanford University July 24-26, 1985, Federal Emergency Management Agency, Washington, DC, pp 1-7 to 1-19.

² References available on interlibrary loan from the Research Library, U.S. Army Engineer Waterways Experiment Station, ATTN: CEWES-IM-MI-R, 3909 Halls Ferry Road, Vicksburg, MS 39180-6199.

Duscha 1990

Duscha, L. A. 1990. "Dam Safety in Developed Nations," Le Moigne, G. J.-M., Barghouti, S., and Plusquellec, H., eds., *Dam Safety and the Environment*, World Bank Technical Paper Number 115, Washington, DC, pp 45-52.

Duscha and Jansen 1988

Duscha, L. A. and Jansen, R. B. 1988. "Surveillance," Jansen, R. B., ed., *Advanced Dam Engineering for Design, Construction, and Rehabilitation*, Van Nostrand Reinhold, New York, pp 777-797.

Federal Coordinating Council for Science, Engineering and Technology 1978

Federal Coordinating Council for Science, Engineering and Technology. 1978 (Jul). "Improving Federal Dam Safety," Washington, DC.

Federal Emergency Management Agency 1979

Federal Emergency Management Agency. 1979 (Jul). "Federal Guidelines for Dam Safety," FEMA 93, (Prepared by the Ad Hoc Interagency Committee on Dam Safety of the Federal Coordinating Council for Science, Engineering, and Technology), Washington, DC.

Federal Emergency Management Agency 1982

Federal Emergency Management Agency. 1982 (May). "Dam Safety Research, Current, Planned and Future," FEMA 21, Washington, DC.

Federal Emergency Management Agency 1985a*

Federal Emergency Management Agency. 1985 (Feb). "Emergency Action Planning Guidelines for Dams," FEMA 64, Washington, DC.

Federal Emergency Management Agency 1985b*

Federal Emergency Management Agency. 1985 (Mar). "Federal Guidelines for Earthquake Analyses and Design of Dams," FEMA 65, Washington, DC.

Federal Emergency Management Agency 1986a*

Federal Emergency Management Agency. 1986 (Jan). "Federal Guidelines for Selecting and Accommodating Inflow Design Floods for Dams," FEMA 94, Washington, DC.

Federal Emergency Management Agency 1986b

Federal Emergency Management Agency. 1986 (Jan). "Training Courses Related to Dam Safety," FEMA 92, Washington, DC.

Federal Emergency Management Agency 1986c

Federal Emergency Management Agency. 1986 (Oct). *Proceedings of the Workshop on Current Developments in Dam Safety Management*, FEMA 115, Washington, DC.

Federal Emergency Management Agency 1988a

Federal Emergency Management Agency. 1988 (Feb). "Glossary of Terms for Dam Safety," FEMA 148, Washington, DC.

Federal Emergency Management Agency 1988b

Federal Emergency Management Agency. 1988. "National Dam Safety Program - 1986 and 1987, A Progress Report," Washington, DC.

Federal Emergency Management Agency 1989a

Federal Emergency Management Agency. 1989 (Jan). "Exercise Design Course - Guide to Emergency Management Exercises," SM 170.2, Washington, DC.

Federal Emergency Management Agency 1989b

Federal Emergency Management Agency. 1989 (Jan). "Exercise Design Course - Student Workbook," SM 170.1, Washington, DC.

Federal Energy Regulatory Commission 1991

Federal Energy Regulatory Commission. 1991 (Apr). "Engineering Guidelines for the Evaluation of Hydro-power Projects," FERC 0119-2, Washington, DC.

Federal Emergency Management Agency 1992a

Federal Emergency Management Agency. 1992 (Sep). "National Dam Safety Program, 1990 & 1991 A Progress Report," FEMA 235, Vol 1, Washington, DC.

* Adopted by the Corps.

Federal Emergency Management Agency 1992b

Federal Emergency Management Agency. 1992 (Sep). "National Dam Safety Program, 1990 & 1991 A Progress Report," FEMA 236, Vol 2, Washington, DC.

Gotzmer 1991

Gotzmer, J. W. 1991 (Sep). "Emergency Action Plans: The Comprehensive Exercise," *Proceedings of the Eight Conference of the Association of State Dam Safety Officials*, pp 216-224.

Government Accounting Office 1977

Government Accounting Office. 1977 (Jun). "Actions Needed to Increase the Safety of Dams Built by the Bureau of Reclamation and the Corps of Engineers," CED-77-85, Washington, DC.

Government Accounting Office 1978

Government Accounting Office. 1978 (Jan). "Improving the Safety of Our Nation's Dams - Progress and Issues," Report to the Congress, CED-79-30, Washington, DC.

Haimes et al. 1988

Haimes, Y. Y. Tetrakian, R., Karlsson, P. O., and Mitsiopoulos, J. 1988 (Apr). "Multiobjective Risk-Partitioning: An Application to Dam Safety Risk Analysis," IWR Report 88-R-4, Institute for Water Resources, Fort Belvoir, VA.

Hansen and Reinhardt 1991

Hansen, K. D. and Reinhardt, W. G. 1991. *Roller-Compacted Concrete Dams*, McGraw-Hill, Inc, New York.

Interagency Committee on Dam Safety Research Subcommittee 1982

Interagency Committee on Dam Safety Research Subcommittee. 1982 (Oct). *Proceedings of the Dam Safety Research Coordination Conference*, Denver, CO.

International Commission on Large Dams 1982

International Commission on Large Dams. 1982. "A Glossary of Words and Phrases Related to Dams," Bulletin 31, Paris, France.

International Commission on Large Dams 1986

International Commission on Large Dams. 1986. "Quality Control for Fill Dams," Bulletin 56, Paris, France.

International Commission on Large Dams 1987

International Commission on Large Dams. 1987. "Dam Safety Guidelines," Bulletin 59, Paris, France.

James 1990

James, R. 1990 (May). "Safety of Dams as Related to Design and Construction," *Design and Safety Surveillance of Embankment Dams*, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Jansen 1983

Jansen, R. B. 1983. *Dams and Public Safety*, U.S. Department of the Interior, Bureau of Reclamation, Denver, CO.

Jansen 1988a

Jansen, R. B. 1988. "Dam Safety Engineering," Kollgaard, E. B. and Chadwick, W. L., eds. *Development of Dam Engineering in the United States*, Pergamon Press, New York, pp 1031-1049.

Jansen 1988b

Jansen, R. B. 1988 (Jun). "Dam Safety in America," *Hydro Review*, Vol 7, No. 3, pp 10-20.

Karadi and Landis, eds. 1986

Karadi, G., and Landis, F., eds. 1986 (Jan). *Proceedings of the Workshop on Dam Safety Research and Development Needs*, Denver, CO.

Keeter et al. 1986

Keeter, A., Stonecypher, B., Payne, T., Skeri, M., Burton, J., and Jennings, J. 1986 (Dec). "Automation Hardware and Retrofitting Techniques," *Instrumentation Automation for Concrete Structures*, Technical Report No. REMR-CS-5, Report 2, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Kelly 1987

Kelly, M. T. 1987 (Sep). "Dam Safety Exercise: Simulated Failure at Fort Peck, Montana," *Proceedings of the Fourth Conference of the Association of State Dam Safety Officials*, pp 20-24.

Lave, Resendiz-Carrillo, and McMichael 1990

Lave, L. B., Resendiz-Carrillo, D., and McMichael, F. C. 1990 (Jul). "Safety Goals for High-Hazard Dams: Are Dams Too Safe?," *Water Resources Research*, Vol 26, No. 7, pp 1383-1391.

Lindsey et al. 1986

Lindsey, J., Edwards, D., Keeter, A., Payne, T., Malloy, R. 1986 (Dec). "Instrumentation Automation Techniques," *Instrumentation Automation for Concrete Structures*, Technical Report No. REMR-CS-5, Report 1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Mahoney 1990

Mahoney, D. J. 1990 (Jun). "FERC's Dam Safety Program: A New Focus on Monitoring," *Hydro Review*, Vol 9, No. 3, pp 38-45.

Morrison-Knudsen Engineers, Inc. 1986

Morrison-Knudsen Engineers, Inc. 1986 (Sep). "Inspection and Performance Evaluation of Dams," EPRI AP-4714, Electric Power Research Institute, Palo Alto, CA.

National Research Council 1983

National Research Council. 1983. *Safety of Existing Dams, Evaluation and Improvement*, National Academy Press, Washington, DC.

National Research Council 1985

National Research Council. 1985. *Safety of Dams, Flood and Earthquake Criteria*, National Academy Press, Washington, DC.

O'Neil 1989

O'Neil, E. F. 1989 (Apr). "Demonstration of Instrumentation Automation Techniques at Beaver Dam, Eureka Springs, Arkansas," *Instrumentation Automation for Concrete Structures*, Technical Report No. REMR-CS-5, Report 4, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Reed 1987

Reed, J. A. 1987 (Nov). "Suggested Procedures for Safety Inspections of Dams," Ohio Department of Natural Resources, Columbus, OH.

Schurer et al. 1988

Schurer, J., Wilkinson, E., Norfleet, J., Sciver, J. V., Huntington, C., Lee, C., and Rogers, A. 1988 (Jan). "Dam Safety Manual," Denver, CO.

Stakhiv and Moser 1986

Stakhiv, E., and Moser, D. 1986 (Oct). "Guidelines for Evaluating Modifications of Existing Dams Related to Hydrologic Deficiencies," Institute for Water Resources, Report 86-R-7, Fort Belvoir, VA.

Tschantz 1982

Tschantz, B. A. 1982 (Apr). "Recent United States Progress to Improve Dam Safety," United States Committee on Large Dams, *Dam Safety Practices and Concerns in the United States*, Denver, CO, pp 1-24.

Task Committee on Spillway Design Flood Selection, Committee on Surface Water Hydrology, Hydraulics Division, American Society of Civil Engineers 1988

Task Committee on Spillway Design Flood Selection, Committee on Surface Water Hydrology, Hydraulics Division, American Society of Civil Engineers. 1988. "Evaluation Procedures for Hydrologic Safety of Dams," New York.

Thomas 1987

Thomas, H. E. 1987 (Feb). "Dam Safety: Meeting the Challenge," *Hydro Review*, Vol 6, No. 1, pp 38-45.

U.S. Army Corps of Engineers 1987

U.S. Army Corps of Engineers. 1987 (Aug). "Methods of Automating the Collection of Instrumentation Data," REMR Technical Note CS-ES-2.3, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

U.S. Army Corps of Engineers 1990

U.S. Army Corps of Engineers. 1990 (Mar). "An Overview of the Repair, Evaluation, Maintenance, and Rehabilitation (REMR) Research Program 1984-1989," Washington, DC.

U.S. Army Corps of Engineers, Hydrologic Engineering Center 1980

U.S. Army Corps of Engineers, Hydrologic Engineering Center. 1980 (Jun). "Flood Emergency Plans Guidelines for Corps Dams," Research Document No. 13, Davis, CA.

U.S. Army Corps of Engineers, Hydrologic Engineering Center 1982

U.S. Army Corps of Engineers, Hydrologic Engineering Center. 1982 (Jan). "Emergency Planning for Dams, Bibliography and Abstracts of Selected Publications," Davis, CA.

U.S. Army Corps of Engineers, Hydrologic Engineering Center 1983a

U.S. Army Corps of Engineers, Hydrologic Engineering Center. 1983a (Aug). "Example Emergency Plan for Blue Marsh Dam and Lake," Research Document No. 19, Davis, CA.

U.S. Army Corps of Engineers, Hydrologic Engineering Center 1983b

U.S. Army Corps of Engineers, Hydrologic Engineering Center. 1983b (Aug). "Example Plan for Evacuation of Reading, Pennsylvania, in the Event of Emergencies at Blue Marsh Dam and Lake," Research Document No. 20, Davis, CA.

U.S. Army Corps of Engineers, Office of the Chief of Engineers 1977

U.S. Army Corps of Engineers, Office of the Chief of Engineers. 1977 (Sep). "Report to the Federal Coordinating Council for Science, Engineering, and Technology on the Dam Safety Program in the Corps of Engineers," Washington, DC.

U.S. Army Engineer District, Omaha 1987

U.S. Army Engineer District, Omaha. 1987 (Aug). "Garrison Dam Safety Training Exercise, Lake Sakakawea, Missouri River, North Dakota," Omaha, NE.

U.S. Army Engineer District, Vicksburg 1977

U.S. Army Engineer District, Vicksburg. 1977. "Grenada Lake, Operation and Maintenance Manual," Vicksburg, MS.

United States Committee on Large Dams 1982

United States Committee on Large Dams. 1982 (Apr). "Dam Safety Practices and Concerns in the United States," Denver, CO.

United States Committee on Large Dams 1984

United States Committee on Large Dams. 1984 (Jan). "Dam Safety and Rehabilitation," *Proceedings of the Fourth USCOLD Lecture*, Denver, CO.

United States Committee on Large Dams 1986

United States Committee on Large Dams. 1986 (Dec). "General Considerations Applicable to Performance Monitoring of Dams," Denver, CO.

Veesaert 1990

Veesaert, C. J. 1990 (Jun). "Standardizing the Approach to Dam Safety Training," *Hydro Review*, Vol 9, No. 3, pp 46-50.

Von Thun 1984

Von Thun, J. L.. 1984. "Applications of Decision Analysis Techniques in Dam Safety Evaluation and Modification," Serafim, J. L., ed., *Safety of Dams*, A. A. Balkema, Boston, MA, pp 265-271.

Walz 1990a

Walz, A. H. 1990 (May). "History of Dam Safety," *Design and Safety Surveillance of Embankment Dams*, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Walz 1990b

Walz, A. H. 1990 (May). "Special Inspections, Automation, TADS Program," *Design and Safety Surveillance of Embankment Dams*, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Wiseman 1987

Wiseman, R. 1987 (Sep). "Many U.S. Dams `Still Unsafe'," *World Water*, Vol 10, No. 8, pp 17-21.